

09/684,334

## Zand, Kambiz

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**From:** PLUS  
**Sent:** Monday, February 28, 2005 12:47 PM  
**To:** Zand, Kambiz  
**Subject:** PLUS Results for 09684334

Here are the PLUS search results for 09684334.

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09684334\_QUAL.txt



09684334\_LIST.txt



09684334\_WEST.txt



09684334\_EAST.txt



09684334.east



09684334\_CLS.txt



09684334\_CLSTITLES.t  
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09684334\_WDS.txt

34

PLUS Search Results for S/N 09684334, Searched February 28, 2005

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6169897  
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6665715  
6157705  
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6275829  
6314451  
6317761  
6347320  
6381637

09684334\_LIST

6393479  
6418199  
6453319  
6466967  
5732218  
6021439  
6212565  
6212565  
5572643  
5737619  
5905248  
5961601  
6016494  
6185586  
6192398

09684334\_CLS

Most Frequently Occurring Classifications of Patents Returned  
From A Search of 09684334 on February 28, 2005

Original Classifications

4	709/229
3	709/224
3	713/201
2	235/375
2	379/88.01
2	707/102
2	709/203
2	709/217
2	709/218
2	709/219
2	715/513
2	715/781

Cross-Reference Classifications

9	709/219
5	709/203
5	709/218
5	709/229
5	715/501.1
4	709/217
3	705/14
3	705/26
3	707/10
3	709/202
3	715/513
2	370/352
2	705/1
2	707/3
2	709/201
2	709/225
2	709/228
2	713/200
2	715/808
2	715/810

Combined Classifications

11	709/219
9	709/229
7	709/203
7	709/218
6	709/217
5	715/501.1
5	715/513

09684334\_CLS

4 705/14  
4 707/10  
3 235/375  
3 705/26  
3 707/102  
3 709/202  
3 709/224  
3 713/201  
2 370/352  
2 379/88.01  
2 705/1  
2 707/104.1  
2 707/3  
2 709/201  
2 709/204  
2 709/223  
2 709/225  
2 709/227  
2 709/228  
2 713/200  
2 715/500  
2 715/781  
2 715/808  
2 715/810

09684334\_CLSTITLES

Titles of Most Frequently Occurring Classifications of Patents Returned

From A Search of 09684334 on February 28, 2005

11	709/219	(2 OR, 9 XR)	
	Class	709 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO
RDINATING			
	709/200		MULTICOMPUTER DATA TRANSFERRING
	709/217		.Remote data accessing
	709/219		..Accessing a remote server
9	709/229	(4 OR, 5 XR)	
	Class	709 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO
RDINATING			
	709/200		MULTICOMPUTER DATA TRANSFERRING
	709/227		.Computer-to-computer session/connection establishing
	709/229		..Network resources access controlling
7	709/203	(2 OR, 5 XR)	
	Class	709 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO
RDINATING			
	709/200		MULTICOMPUTER DATA TRANSFERRING
	709/201		.Distributed data processing
	709/203		..Client/server
7	709/218	(2 OR, 5 XR)	
	Class	709 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO
RDINATING			
	709/200		MULTICOMPUTER DATA TRANSFERRING
	709/217		.Remote data accessing
	709/218		..Using interconnected networks
6	709/217	(2 OR, 4 XR)	
	Class	709 :	ELECTRICAL COMPUTERS AND DIGITAL PROCESSING SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO
RDINATING			
	709/200		MULTICOMPUTER DATA TRANSFERRING
	709/217		.Remote data accessing
5	715/501.1	(0 OR, 5 XR)	
	Class	715 :	DATA PROCESSING: PRESENTATION PROCESSING OF DOCUMENT

## 09684334\_CLSTITLES

715/501.1 HYPERMEDIA

5 715/513 (2 OR, 3 XR)

Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT715/513 STRUCTURED DOCUMENT (E.G., HTML, SGML, ODA,  
CDA)

4 705/14 (1 OR, 3 XR)

Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN

ATION

705/1 AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS  
PRACTICE OR MANAGEMENT ARRANGEMENT705/14 .Distribution or redemption of coupon, or  
incentive or promotion program

4 707/10 (1 OR, 3 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES

707/1 DATABASE OR FILE ACCESSING

707/10 .Distributed or remote access

3 235/375 (2 OR, 1 XR)

Class 235 : REGISTERS

235/375 SYSTEMS CONTROLLED BY DATA BEARING RECORDS

3 705/26 (0 OR, 3 XR)

Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN

ATION

705/1 AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS  
PRACTICE OR MANAGEMENT ARRANGEMENT

705/26 .Electronic shopping (e.g., remote ordering)

3 707/102 (2 OR, 1 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES

707/100 DATABASE SCHEMA OR DATA STRUCTURE

707/102 .Generating database or data structure (e.g.,  
via user interface)

3 709/202 (0 OR, 3 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/201 .Distributed data processing

09684334\_CLSTITLES

709/202 ..Processing agent

3 709/224 (3 OR, 0 XR)

Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING

709/223 .Computer network managing

709/224 ..Computer network monitoring

3 713/201 (3 OR, 0 XR)

Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
SYSTEMS: SUPPORT

713/200 SECURITY

713/201 .Computer network

2 370/352 (0 OR, 2 XR)

Class 370 : MULTIPLEX COMMUNICATIONS

370/351 PATHFINDING OR ROUTING

370/352 .Combined circuit switching and packet  
switching

2 379/88.01 (2 OR, 0 XR)

Class 379 : TELEPHONIC COMMUNICATIONS

379/67.1 AUDIO MESSAGE STORAGE, RETRIEVAL, OR SYNTHESIS

379/88.01 .Voice activation or recognition

2 705/1 (0 OR, 2 XR)

Class 705 : DATA PROCESSING: FINANCIAL, BUSINESS  
PRACTICE, MANAGEMENT, OR COST/PRICE DETERMIN

ATION

705/1 AUTOMATED ELECTRICAL FINANCIAL OR BUSINESS  
PRACTICE OR MANAGEMENT ARRANGEMENT

2 707/104.1 (1 OR, 1 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES

707/100 DATABASE SCHEMA OR DATA STRUCTURE

707/104.1 .Application of database or data structure  
(e.g., distributed, multimedia, image)

2 707/3 (0 OR, 2 XR)

Class 707 : DATA PROCESSING: DATABASE AND FILE  
MANAGEMENT OR DATA STRUCTURES

707/1 DATABASE OR FILE ACCESSING

707/3 .Query processing (i.e., searching)



09684334\_CLSTITLES

2 709/201 (0 OR, 2 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING  
 709/201 .Distributed data processing

2 709/204 (1 OR, 1 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING  
 709/204 .Computer conferencing

2 709/223 (1 OR, 1 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING  
 709/223 .Computer network managing

2 709/225 (0 OR, 2 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING  
 709/223 .Computer network managing  
 709/225 ..Computer network access regulating

2 709/227 (1 OR, 1 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING  
 709/227 .Computer-to-computer session/connection  
 establishing

2 709/228 (0 OR, 2 XR)  
 Class 709 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING  
 SYSTEMS: MULTIPLE COMPUTER OR PROCESS COO

RDINATING

709/200 MULTICOMPUTER DATA TRANSFERRING  
 709/227 .Computer-to-computer session/connection  
 establishing  
 709/228 ..Session/connection parameter setting

2 713/200 (0 OR, 2 XR)  
 Class 713 : ELECTRICAL COMPUTERS AND DIGITAL PROCESSING

09684334\_CLSTITLES  
SYSTEMS: SUPPORT  
SECURITY

713/200

- 2 715/500 (1 OR, 1 XR)  
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT  
715/500 MISCELLANEOUS
- 2 715/781 (2 OR, 0 XR)  
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT  
Could not find subclass title.
- 2 715/808 (0 OR, 2 XR)  
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT  
Could not find subclass title.
- 2 715/810 (0 OR, 2 XR)  
Class 715 : DATA PROCESSING: PRESENTATION PROCESSING OF  
DOCUMENT  
Could not find subclass title.

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accessed 7  
accesses 1  
accessing 6  
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according 7  
accordingly 1  
acomunications 1  
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 detail 2  
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 digits 2  
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into 4  
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its 2  
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jp 2  
jra 1  
jtrj 1  
jz 1  
keyboard 3  
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known 4  
laid 1  
least 1  
length 1



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letters 1  
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limited 1  
line 2  
lines 1  
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linked 1  
located 3  
location 1  
locator 1  
logistics 2  
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made 2  
make 1  
makes 3  
making 2  
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manner 1  
mark 11  
may 4  
meaning 2  
means 4  
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mechanism 4  
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merchandise 1  
mobility 1  
modification 1  
more 1  
mouse 1  
multiple 1  
musician 1  
na 1  
name 9  
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nd 1  
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need 2  
needs 1  
network 6  
newspaper 1  
not 6  
number 8  
numbers 2

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occurred 1  
of 73  
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on 13  
one 3  
only 4  
open 2  
operating 7  
operation 1  
or 18  
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other 4  
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part 12  
parts 1  
party 6  
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pattern 14  
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personal 1  
plan 2  
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predetermined 1  
preferred 4  
prepared 1  
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presses 1  
pressing 1  
previously 1  
printed 2  
printing 2  
prior 5  
processing 8  
products 1  
properly 1  
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provided 7  
provider 3  
provides 1  
providing 1

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ram 2  
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reads 3  
received 2  
receives 4  
receiving 3  
recently 1  
recognition 4  
recognize 1  
recognized 4  
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reference 2  
referring 4  
registered 3  
registeredtrademark 1  
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relatively 2  
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represents 2  
requesting 2  
requests 1  
resource 1  
respective 1  
response 1  
restricted 1  
returning 1  
rj 1  
rnet 1  
rom 3  
sales 1  
same 1  
seal 2  
search 1  
second 1  
selectively 1  
sends 5  
sent 4  
sequence 2  
server 52  
servers 2

servi 1  
service 76  
serviceidentification 1  
set 2  
setver 1  
seventh 1  
sharing 1  
sheet 1  
short 2  
showing 6  
shown 2  
si 1  
sixth 1  
skilled 1  
so 4  
sources 1  
specific 2  
specified 1  
specify 2  
ssion 1  
statistical 1  
storage 4  
stored 4  
storing 1  
string 3  
subject 1  
such 8  
suggests 1  
summary 1  
supplies 1  
supply 2  
supplying 1  
switching 1  
system 16  
table 7  
tag 30  
tcp 1  
teaching 1  
telephone 3  
tenth 1  
term 1  
terminal 26  
text 1  
th 2  
that 32  
the 268  
theinvention 1  
them 3

then 6  
therebetween 2  
thereby 2  
therefore 1  
these 1  
they 1  
this 8  
those 1  
through 7  
thus 5  
time 1  
to 96  
totally 1  
tr 1  
trademark 3  
transmi 1  
transmission 14  
transmitted 1  
transmitter 2  
ts 1  
ul 1  
uni 1  
uniform 1  
unique 2  
uniquely 1  
unit 37  
units 1  
upper 3  
url 42  
use 7  
used 7  
user 9  
users 6  
uses 1  
using 12  
value 1  
variety 1  
very 1  
view 2  
viewer 3  
web 3  
when 7  
wherein 3  
which 6  
while 4  
who 5  
wide 1  
will 3

09684334\_WDS

wire 2  
with 21  
within 1  
without 1  
words 1  
world 1  
www 4  
zhttp 1  
ziz 1  
zj 1  
zr 1



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 Terms used identification tag and card reader and graphic and pattern and authentication and codes

Found 25,887 of 150,885

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Best 200 shown

Relevance scale ☐ ☐ ☐ ☐ ☐**1 [Puzzles and users: A PIN-entry method resilient against shoulder surfing](#)**

Volker Roth, Kai Richter, Rene Freidinger

October 2004 **Proceedings of the 11th ACM conference on Computer and communications security**Full text available: [pdf\(301.35 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Magnetic stripe cards are in common use for electronic payments and cash withdrawal. Reported incidents document that criminals easily pickpocket cards or skim them by swiping them through additional card readers. Personal identification numbers (PINs) are obtained by shoulder surfing, through the use of mirrors or concealed miniature cameras. Both elements, the PIN and the card, are generally sufficient to give the criminal full access to the victim's account. In this paper, we present alter ...

**Keywords:** ATM, PIN, cognitive trapdoor games, password, shoulder surfing**2 [Columns: Risks to the public in computers and related systems](#)**

Peter G. Neumann

January 2001 **ACM SIGSOFT Software Engineering Notes**, Volume 26 Issue 1Full text available: [pdf\(3.24 MB\)](#) Additional Information: [full citation](#)**3 [Security without identification: transaction systems to make big brother obsolete](#)**

David Chaum

October 1985 **Communications of the ACM**, Volume 28 Issue 10Full text available: [pdf\(1.77 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

The large-scale automated transaction systems of the near future can be designed to protect the privacy and maintain the security of both individuals and organizations.

**4 [Illustrative risks to the public in the use of computer systems and related technology](#)**

Peter G. Neumann

January 1996 **ACM SIGSOFT Software Engineering Notes**, Volume 21 Issue 1Full text available: [pdf\(2.54 MB\)](#) Additional Information: [full citation](#)

## 5 Fast detection of communication patterns in distributed executions

Thomas Kunz, Michiel F. H. Seuren

November 1997 **Proceedings of the 1997 conference of the Centre for Advanced Studies on Collaborative research**

Full text available:  pdf(4.21 MB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Understanding distributed applications is a tedious and difficult task. Visualizations based on process-time diagrams are often used to obtain a better understanding of the execution of the application. The visualization tool we use is Poet, an event tracer developed at the University of Waterloo. However, these diagrams are often very complex and do not provide the user with the desired overview of the application. In our experience, such tools display repeated occurrences of non-trivial commun ...

## 6 Hollerith punched card code

E. Lohse

April 1968 **Communications of the ACM**, Volume 11 Issue 4

Full text available:  pdf(755.41 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

This proposed USA Standard presents the standard Hollerith Card Code representation of the 128 characters of USASCII in twelve-row punched cards. Other standards specify the dimensions and quality of punched paper cards, and the dimensions and locations of the holes punched in the cards. This coded representation of the USASCII character set for the twelve-row punched card was developed from research, review of historical work and careful consideration of the use of p ...

**Keywords:** USA standard, card code, hole-patterns, hole-patterns assignment, punched card hole, punched card systems, punched code

## 7 Level II technical support in a distributed computing environment

Tim Leehane

September 1996 **Proceedings of the 24th annual ACM SIGUCCS conference on User services**

Full text available:  pdf(5.73 MB) Additional Information: [full citation](#), [references](#), [index terms](#)

## 8 Computing curricula 2001

September 2001 **Journal on Educational Resources in Computing (JERIC)**

Full text available:  pdf(613.63 KB)  html(2.78 KB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

## 9 Authentication and signature schemes: Print signatures for document authentication

Baoshi Zhu, Jiankang Wu, Mohan S. Kankanhalli

October 2003 **Proceedings of the 10th ACM conference on Computer and communications security**

Full text available:  pdf(646.81 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

We present a novel solution for authenticating printed paper documents by utilizing the inherent non-repeatable randomness existing in the printing process. For a document printed by a laser-printer, we extract the unique features of the non-repeatable print content for each copy. The shape profiles of this content are used as the feature to



represent the uniqueness of that particular printed copy. These features along with some important document content is then captured as the *print signa ...*

**Keywords:** *authenticity, laser printer, originality, print signature*

#### 10 Authentication primitives and their compilation

Martín Abadi, Cédric Fournet, Georges Gonthier

January 2000 **Proceedings of the 27th ACM SIGPLAN-SIGACT symposium on Principles of programming languages**

Full text available:  pdf(1.55 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Adopting a programming-language perspective, we study the problem of implementing authentication in a distributed system. We define a process calculus with constructs for authentication and show how this calculus can be translated to a lower-level language using marshaling, multiplexing, and cryptographic protocols. Authentication serves for identity-based security in the source language and enables simplifications in the translation. We reason about correctness relying on the concepts of o ...

#### 11 Security Mechanisms in High-Level Network Protocols

Victor L. Voydock, Stephen T. Kent

June 1983 **ACM Computing Surveys (CSUR)**, Volume 15 Issue 2


Full text available:  pdf(3.23 MB)

Additional Information: [full citation](#), [references](#), [citations](#)

#### 12 Face recognition: A literature survey

W. Zhao, R. Chellappa, P. J. Phillips, A. Rosenfeld

December 2003 **ACM Computing Surveys (CSUR)**, Volume 35 Issue 4

Full text available:  pdf(4.28 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


As one of the most successful applications of image analysis and understanding, face recognition has recently received significant attention, especially during the past several years. At least two reasons account for this trend: the first is the wide range of commercial and law enforcement applications, and the second is the availability of feasible technologies after 30 years of research. Even though current machine recognition systems have reached a certain level of maturity, their success is ...

**Keywords:** Face recognition, person identification

#### 13 Pen computing: a technology overview and a vision

André Meyer

July 1995 **ACM SIGCHI Bulletin**, Volume 27 Issue 3

Full text available:  pdf(5.14 MB)

Additional Information: [full citation](#), [abstract](#), [citations](#), [index terms](#)

This work gives an overview of a new technology that is attracting growing interest in public as well as in the computer industry itself. The visible difference from other technologies is in the use of a pen or pencil as the primary means of interaction between a user and a machine, picking up the familiar pen and paper interface metaphor. From this follows a set of consequences that will be analyzed and put into context with other emerging technologies and visions. Starting with a short historic ...

#### 14 An instance of the application download pattern: the SPAIDS software loader/verifier domain analysis and implementation

John D. Riley, Sangiv Dungari, William Pritchett  
November 1997 **Proceedings of the conference on TRI-Ada '97**

Full text available:  [pdf\(794.68 KB\)](#) Additional Information: [full citation](#), [references](#), [index terms](#)

15 Computer security: A conceptual framework for testing biometric algorithms within operating systems' authentication

Arslan Brömme, Marcel Kronberg, Oliver Ellenbeck, Oliver Kasch  
March 2002 **Proceedings of the 2002 ACM symposium on Applied computing**

Full text available:  [pdf\(675.28 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper presents a conceptual framework for testing the implementation of biometric algorithms within Unix and Windows NT/2000 operating systems' login authentication. To support the analysis and evaluation of biometric algorithms, a data logging module will be used, enabling the collection of quantitative data, e.g. timestamps, biometric raw data, (pre) processed data, and return codes from each run of a biometric authentication. It is shown how biometric algorithms and a data logging module ...

**Keywords:** biometric authentication, evaluation, operating system, robustness, testing biometric algorithms

16 Improving the aircraft design process using Web-based modeling and simulation

John A. Reed, Gregory J. Follen, Abdollah A. Afjeh  
January 2000 **ACM Transactions on Modeling and Computer Simulation (TOMACS)**,  
Volume 10 Issue 1

Full text available:  [pdf\(1.06 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Designing and developing new aircraft systems is time-consuming and expensive. Computational simulation is a promising means for reducing design cycle times, but requires a flexible software environment capable of integrating advanced multidisciplinary and multifidelity analysis methods, dynamically managing data across heterogeneous computing platforms, and distributing computationally complex tasks. Web-based simulation, with its emphasis on collaborative composition of simulation models, ...

**Keywords:** Java, Web-based simulation, aircraft design, object-oriented

17 DOS protection: Using graphic turing tests to counter automated DDoS attacks against web servers

William G. Morein, Angelos Stavrou, Debra L. Cook, Angelos D. Keromytis, Vishal Misra, Dan Rubenstein  
October 2003 **Proceedings of the 10th ACM conference on Computer and communications security**

Full text available:  [pdf\(256.83 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)


We present WebSOS, a novel overlay-based architecture that provides guaranteed access to a web server that is targeted by a denial of service (DoS) attack. Our approach exploits two key characteristics of the web environment: its design around a human-centric interface, and the extensibility inherent in many browsers through downloadable "applets." We guarantee access to a web server for a large number of *previously unknown* users, without requiring pre-existing trust relationships between ...

**Keywords:** Java, graphic turing tests, web proxies

18 History-based access control for mobile code

Guy Edjlali, Anurag Acharya, Vipin Chaudhary

November 1998 **Proceedings of the 5th ACM conference on Computer and communications security**

Full text available:  pdf(1.33 MB)


Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



19 Session 4 (full technical papers): evolution patterns and models: Evolution patterns of open-source software systems and communities

Kumiyo Nakakoji, Yasuhiro Yamamoto, Yoshiyuki Nishinaka, Kouichi Kishida, Yunwen Ye

May 2002 **Proceedings of the International Workshop on Principles of Software Evolution**

Full text available:  pdf(1.06 MB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)



Open-Source Software (OSS) development is regarded as a successful model of encouraging "natural product evolution". To understand how this "natural product evolution" happens, we have conducted a case study of four typical OSS projects. Unlike most previous studies on software evolution that focus on the evolution of the system per se, our study takes a broader perspective: It examines not only the evolution of OSS systems, but also the evolution of the associated OSS communities, as well as th ...

**Keywords:** case study, open-source software (OSS), open-source software community, software evolution

20 A fuzzy commitment scheme

Ari Juels, Martin Wattenberg

November 1999 **Proceedings of the 6th ACM conference on Computer and communications security**

Full text available:  pdf(966.08 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)



We combine well-known techniques from the areas of error-correcting codes and cryptography to achieve a new type of cryptographic primitive that we refer to as a fuzzy commitment scheme. Like a conventional cryptographic commitment scheme, our fuzzy commitment scheme is both concealing and binding: it is infeasible for an attacker to learn the committed value, and also for the committer to decommit a value in more than one way. In a convent ...

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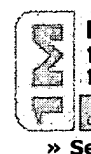
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**4 Harmonic radar identification tag for insect tracking***Colpitts, B.; Luke, D.; Boiteau, G.; Doyle, M.;*

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**11 Design and applications of ferroelectric nonvolatile SRAM and flip-f with unlimited read/program cycles and stable recall**

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Antennas and Propagation Society International Symposium, 2003. IEEE, Vol 1, 22-27 June 2003

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